

Texas Department of Public Safety Texas Division of Emergency Management

Texas State Operations Center



Situation Awareness Brief



Saturday, January 21st 2017
As of 0900 CST

Incidents Reported to the State Operations Center (last 24 hours)

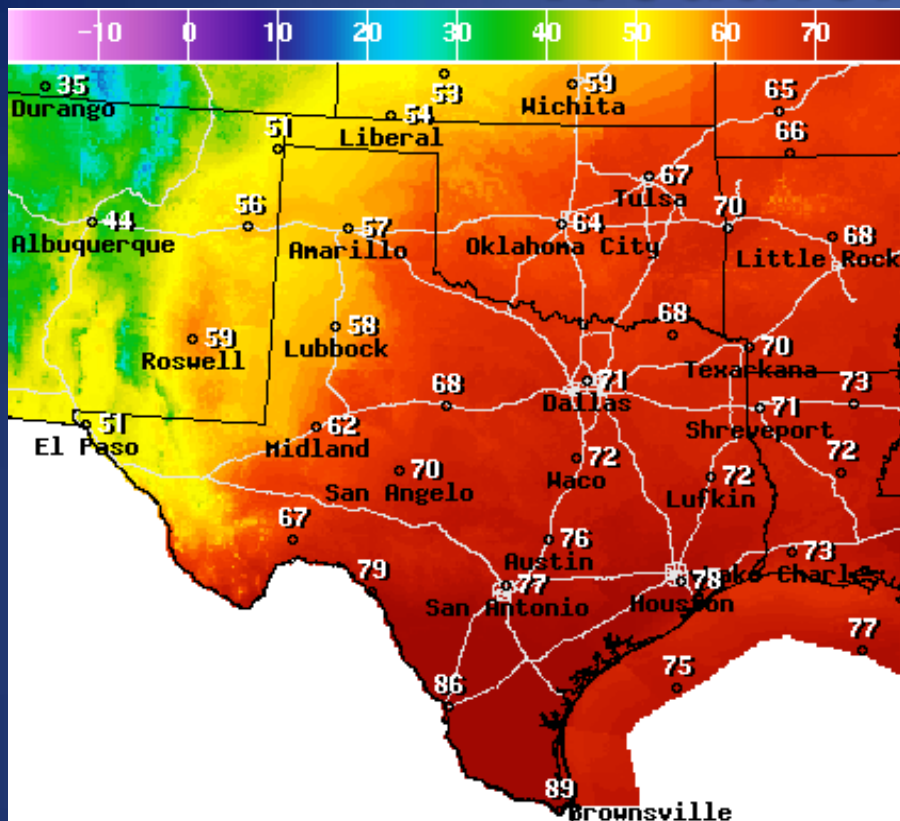
DATE	EVENT / INCIDENT	LOCATION (City/County)	Final Report: Y/N
01/21/17	Initial Report of a Road Closure (IH 35)	Bell County	N
01/21/17	ELT Mission 17M0043 Opened	Fort Worth/Tarrant County	N

Informational Products

Distributed by the State Operations Center

DATE	SUBJECT
01/20/17	NWS Lake Charles weather update: 1000 AM Friday 1.20.17
01/20/17	NWS West Gulf River Forecast Center: Possibility of Thunderstorms Friday Night/Saturday Morning
01/20/17	NWS Norman: Items of Interest
01/20/17	NWS Houston: NWS Update Strong to Severe Thunderstorms This Afternoon Through Tonight
01/20/17	NWS Shreveport: Severe weather threat tonight through Saturday night
01/20/17	NWS Austin/San Antonio: Fire Weather Concerns increasing for Sunday...Strong winds expected
01/20/17	NWS Corpus Christi: Hydrologic Statement for Garcitas Creek and the Guadalupe River in Victoria County
01/20/17	NWS Corpus Christi Hydrologic Statement for Rio Grande at Columbia Bridge, Webb County
01/21/17	NWS Corpus Christi: Fire Weather Watch and Gale Warning Sunday
01/21/17	NWS Houston/Galveston Briefing: Windy Sunday
01/21/17	Daily NWS Threat Brief for Saturday, January 21, 2017 for FEMA Region 6

Weather Forecast



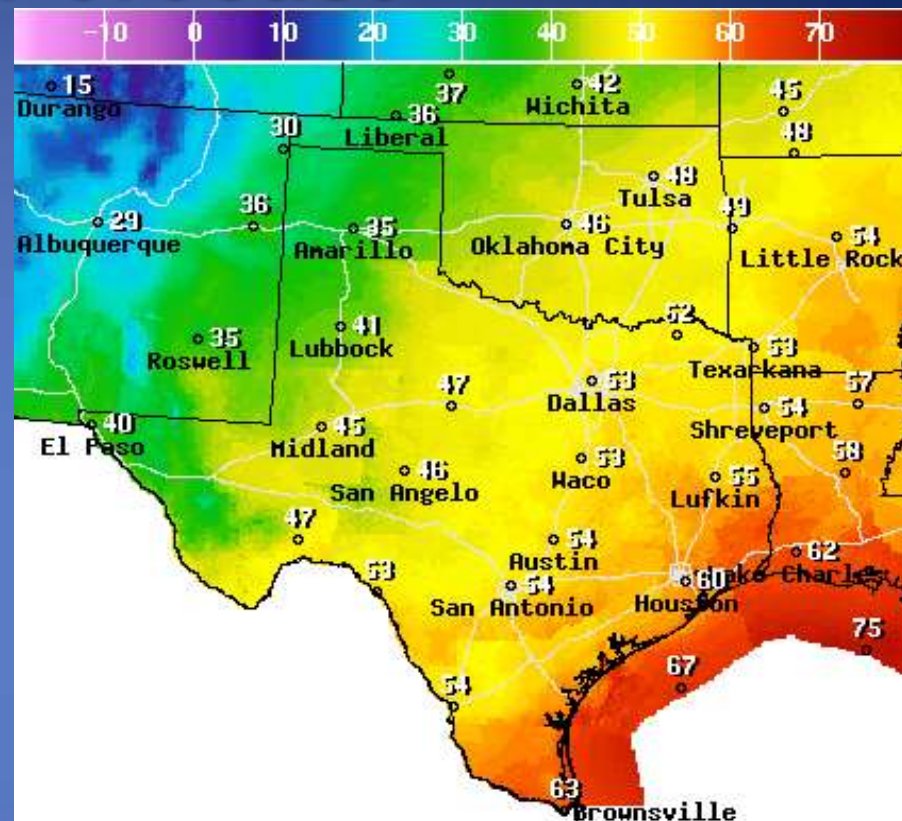
National Digital Forecast Database

06z issuance

Graphic created-Jan 21 1:32AM EST



Highs



National Digital Forecast Database

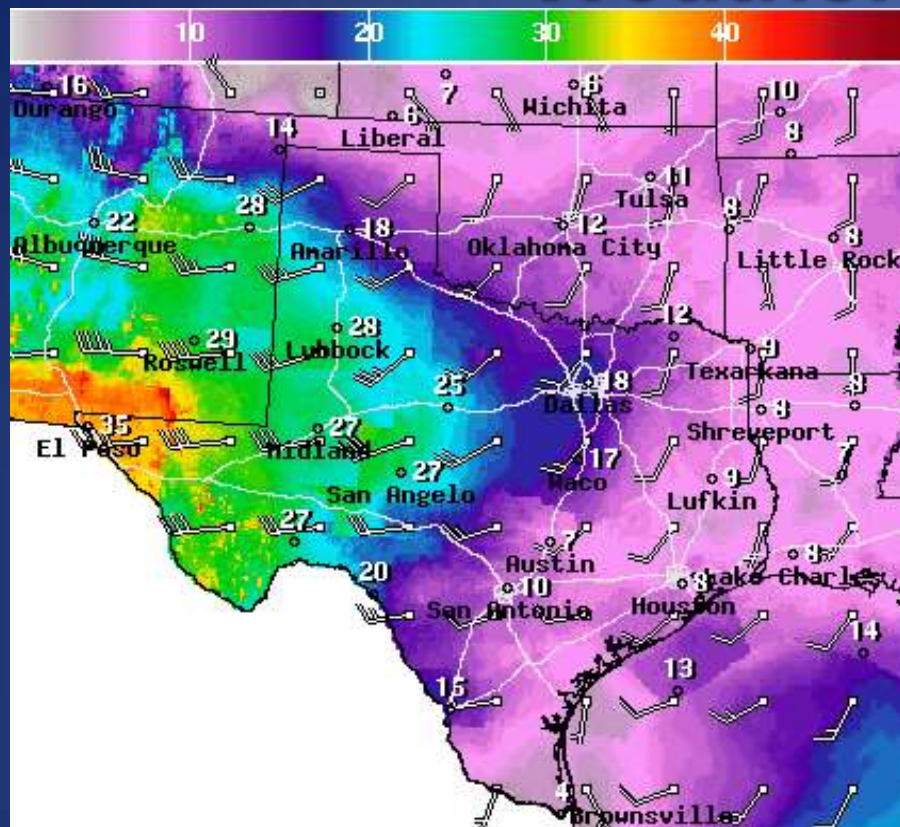
06z issuance

Graphic created-Jan 21 1:32AM EST



Lows

Weather Forecast



WindSpd(Kts) & WindDir For Sat Jan 21 2017 4PM EST

(Sat Jan 21 2017 21Z)



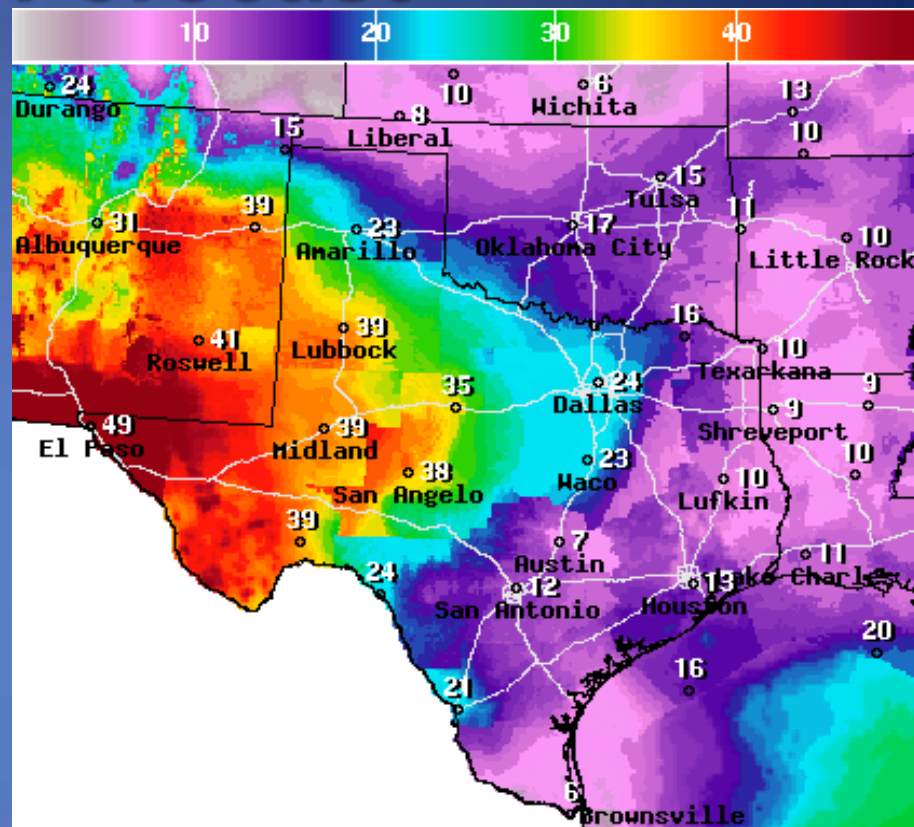
National Digital Forecast Database

06z issuance

Graphic created-Jan 21 1:39AM EST



Wind Speeds



Wind Gust(Kts) Sat Jan 21 2017 4PM EST

(Sat Jan 21 2017 21Z)



National Digital Forecast Database

06z issuance

Graphic created-Jan 21 1:42AM EST



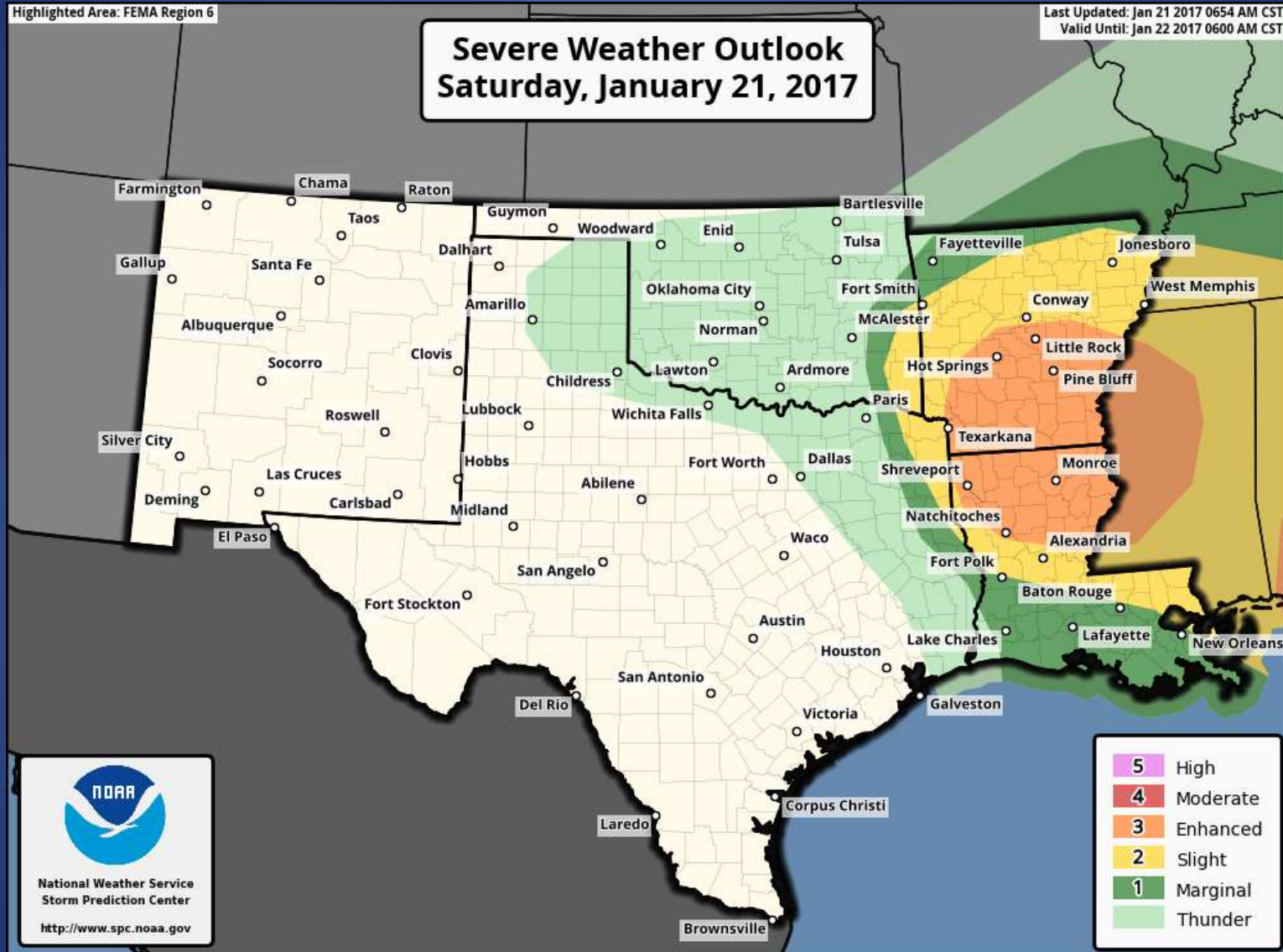
Gusts

Hazardous Weather

Highlighted Area: FEMA Region 6

Last Updated: Jan 21 2017 0654 AM CST
Valid Until: Jan 22 2017 0600 AM CST

Severe Weather Outlook Saturday, January 21, 2017



Hazardous Weather



More wind today and tonight with spotty light showers also possible

NWS Lubbock

An approaching upper level storm system will bring strong winds to the region. The strong winds this afternoon will continue through much of tonight.

Highs will range from 55°F to 61°F on the Caprock, with low to middle 60s in the Rolling Plains.



Today will bring another round of wind as the next storm system quickly approaches through the Desert Southwest. Westerly winds of 25 to 35 mph, with gusts to 50 mph, will be common across much of the South Plains region this afternoon. The strong winds will persist through much of tonight as they swing around to the northwest. Additionally, spotty light showers, perhaps even a rumble of thunder, will be possible. Highs will range from the middle 50s to middle 60s.

Wind Advisory/High Wind Warning

Weather Forecast Office

El Paso, TX

Strong west-southwest winds expected

January 20, 2017 1:20 PM MST



We will see very strong winds Saturday afternoon. Wind speed of 35 to 45 mph with wind gusts to 60+ mph will be possible. Cool season wind storms can lead to power outages, isolated property damage, trucks blown off the road and near blizzard conditions in area mountains.

Hazardous Weather

High Winds Today

Saturday - Sunday morning

Weather Forecast Office
Midland/Odessa, TX
Issued January 21, 2017 4:33 AM CT



High Winds expected for the mountain regions as well as the adjacent plains of SE NM and W TX.

High Wind Warning until 6 am CST Sun...

Mountains...

+ West winds 40-60 mph.

+ Gusts to 75 mph.

Adjacent Plains...

+ West winds 35-50 mph.

+ Gusts to 60 mph.

Wind Advisory until 7 pm MST Thu...

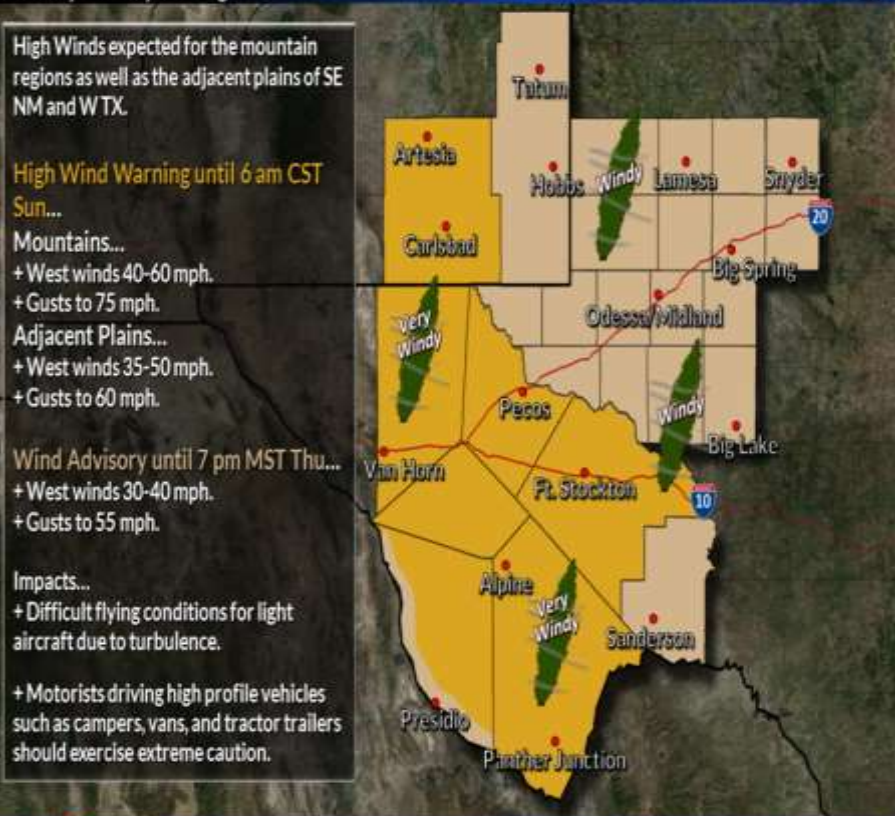
+ West winds 30-40 mph.

+ Gusts to 55 mph.

Impacts...

+ Difficult flying conditions for light aircraft due to turbulence.

+ Motorists driving high profile vehicles such as campers, vans, and tractor trailers should exercise extreme caution.



f t NWSMidland

weather.gov/maf

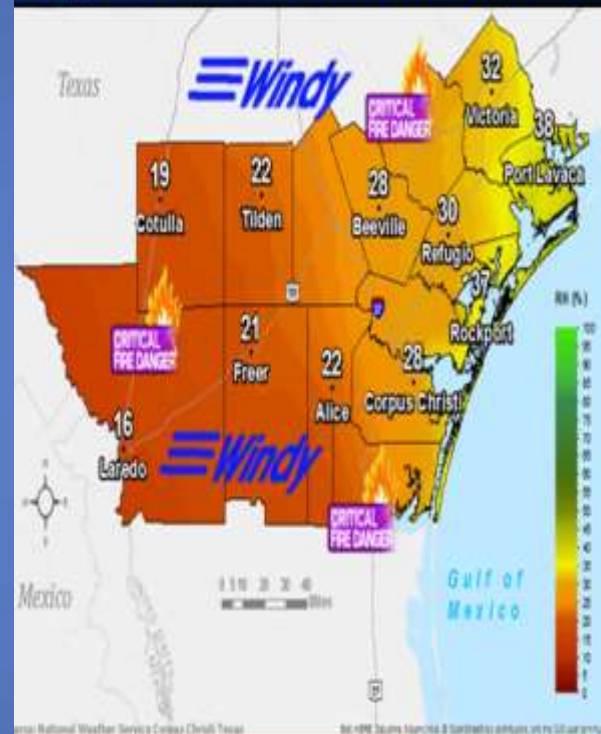
Very windy conditions expected today! Strong winds will make for difficult driving conditions, especially for high profile vehicles.



Fire Weather Watch Sunday

Minimum Relative Humidity Values

Impacts:



- ☐ Sustained winds 25-35 mph with gusts 40 to 50 mph
- ☐ Strongest winds from late morning through mid afternoon
- ☐ Critical to Extremely Critical Fire Weather conditions expected area wide
- ☐ Wildfires could spread quickly
- ☐ Be careful with activities that could cause wildfires

Issued at 3:58 AM - January 21, 2017

A dry cold front will move across South Texas tonight. A cooler and much drier airmass will be behind the front, with windy conditions expected on Sunday. The dry air and low relative humidity will result in critical fire weather conditions on Sunday. As a result, a Fire Weather Watch is in effect for South Texas. A Wind Advisory will likely also be issued on Sunday. See the graphicast for more details. Be careful with any outdoor activities on Sunday which could spark a fire!

Hazardous Weather



Dense Fog Advisory

- ❖ Visibilities: 1/4 mile or less
- ❖ Where: Laguna Madre and Gulf waters out to 20 NM
- ❖ When: until 11 am CST
- ❖ **Action: Mariners**
 - Slow Down
 - Be Familiar of Route
 - Use Running Lights
 - Use Fog Horns



Areas of dense fog persist across the Laguna Madre and the nearshore Gulf waters. A Dense Fog Advisory has been issued and is in effect until 11 am for these areas. Visibility will be reduced to a quarter of a mile or less in some areas. Mariners are reminded to use caution and slow down.

Weather Warning/Advisories Issued

DATE	WARNING TYPE	LOCATION
01/20/17	Flood Advisory	Brazoria, Chambers, Colorado, Fort Bend, Galveston, Harris, Jackson, Liberty and Wharton Counties
01/20/17	Urban and Small Stream Flood Advisory	Brazoria, Fort Bend, Hardin, Harris, Jasper, Jefferson, Newton and Orange Counties
01/20/17	Severe Thunderstorm Warning	Brazoria, Fort Bend, Hardin, Harris, Jasper, Jefferson, Newton, Orange and Wharton Counties
01/20/17	Flood Advisory	Brazoria, Chambers, Colorado, Harris, Liberty, Galveston and Wharton Counties
01/20/17	Flash Flood Warning	Brazoria, Chambers, Galveston, and Harris Counties
01/20/17	Tornado Watch	Jefferson and Orange Counties
01/20/17	Flash Flood Warning Remains in Effect	Brazoria, Chambers, Galveston and Harris Counties
01/20/17	Tornado Warning	Jasper, Jefferson, Newton and Orange Counties
01/20/17	Dense Fog Advisory	Aransas, Bee, Calhoun, Cameron, Duval, Goliad, Hidalgo, Jim Wells, Kleberg, Live Oak, Nueces, San Patricio, Refugio, Willacy and Victoria Counties
01/20/17	Flood Warning Continues	San Bernard River, Wharton County; Guadalupe River in Calhoun, Refugio, and Victoria Counties

Weather Warning/Advisories Issued

DATE	WARNING TYPE	LOCATION
01/20/17	Flood Warning	Pine Island Bayou near Sour Lake, Hardin and Jefferson Counties
01/20/17	Areal Flood Advisory	Chambers, Fort Bend, Harris, Liberty, and Montgomery, Polk, San Jacinto and Walker Counties
01/21/17	Dense Fog Advisory	Anderson, Aransas, Atascosa, Austin, Bastrop, Bee, Bell, Bexar, Brazoria, Brazos, Burleson, Caldwell, Calhoun, Cameron, Colorado, Comal, De Witt, Dimmit, Falls, Fayette, Fort Bend, Freestone, Frio, Galveston, Goliad, Gonzales, Grimes, Guadalupe, Harris, Hays, Henderson, Hidalgo, Houston, Jackson, Jim Hogg, Jim Wells, Karnes, Kleberg, La Salle, Lavaca, Lee, Leon, Limestone, Live Oak, Madison, Matagorda, McMullen, Medina, Milam, Montgomery, Navarro, Nueces, Refugio, Robertson, San Patricio, Star, Travis, Van Zandt, Victoria, Walker, Waller, Washington, Webb, Wharton, Willacy, Wilson, Zapata and Zavala Counties
01/21/17	Severe Thunderstorm Warning	Newton County
01/21/17	High Wind Warning Remains in Effect	El Paso and Hudspeth Counties

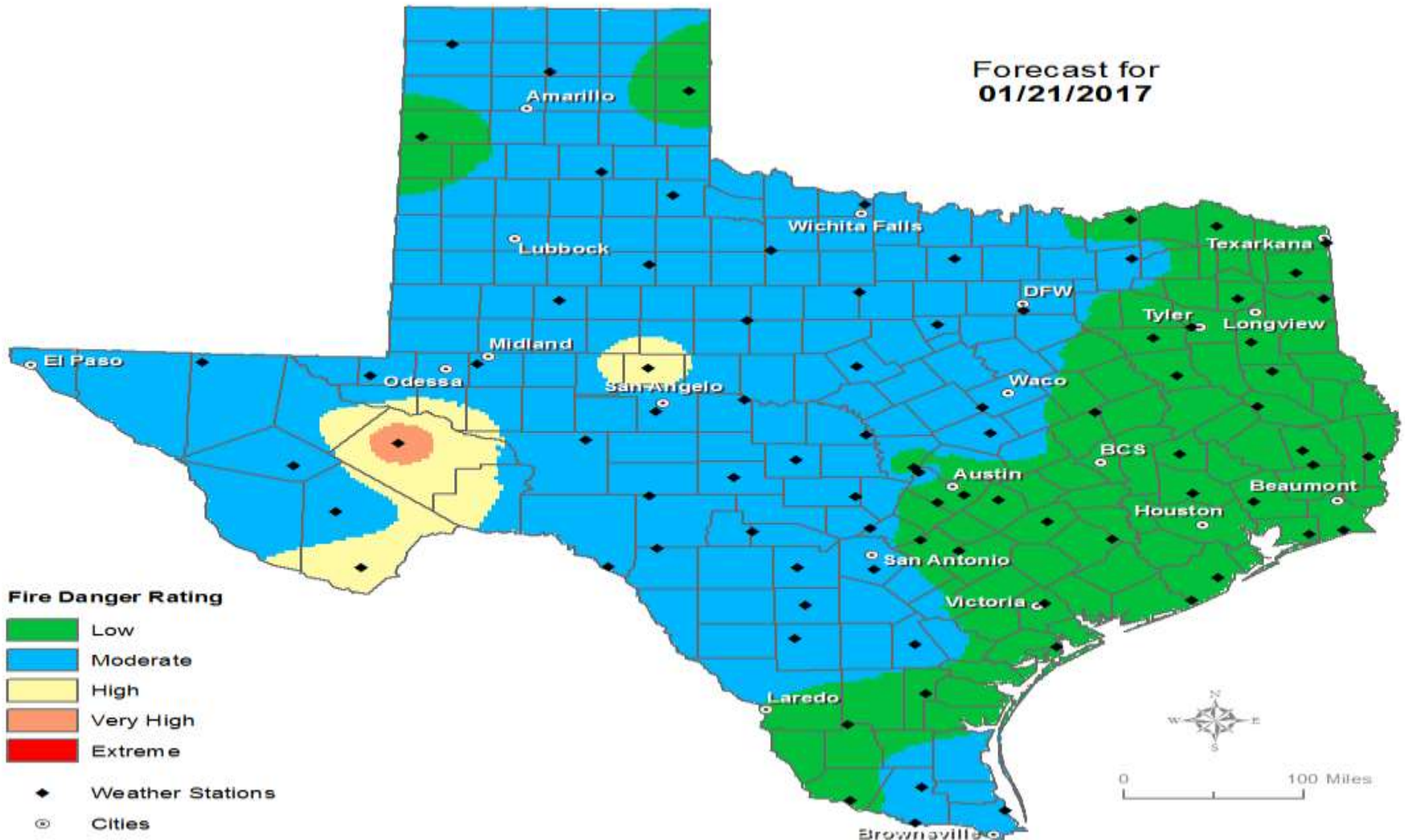
Weather Warning/Advisories Issued

DATE	WARNING TYPE	LOCATION
01/21/17	High Wind Warning	Upper Trans Pecos; Reeves County; Van Horn and Highway 54 Corridor; Marfa Plateau; Big Bend Area; Davis/Apache Mountains Area; Guadalupe Mountains

Fire Danger Forecast

Forecast Fire Danger

Forecast for
01/21/2017



Burn Bans and KBDI INDEX

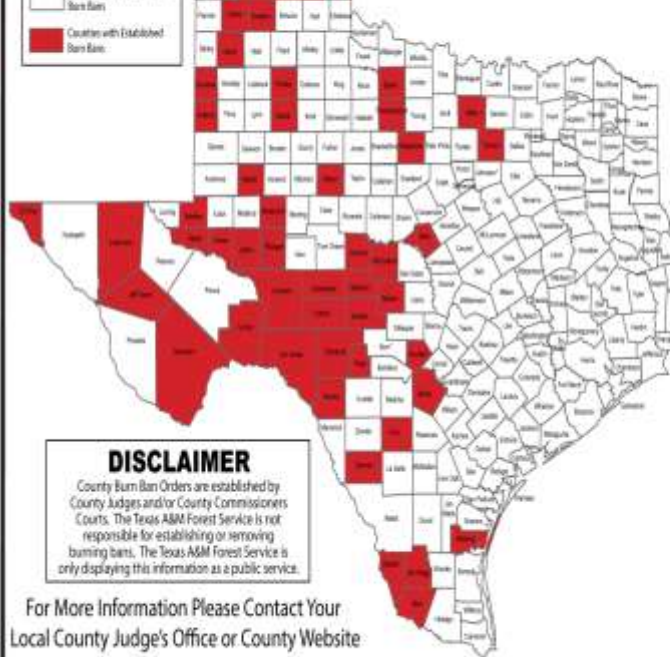
OUTDOOR BURN BANS

January 20, 2017



Counties without Established Burn Bans
Counties with Established Burn Bans

Email updates to:
burnban@tfs.tamu.edu



DISCLAIMER

County Burn Ban Orders are established by County Judges and/or County Commissioners Courts. The Texas A&M Forest Service is not responsible for establishing or removing burning bans. The Texas A&M Forest Service is only displaying this information as a public service.

For More Information Please Contact Your
Local County Judge's Office or County Website

RED FLAG WARNINGS: www.weather.gov

Burn Ban RSS feed available at <http://tfsr.tamu.edu/wildfires/BurnBan.xml>

Counties with Burn Bans: 55

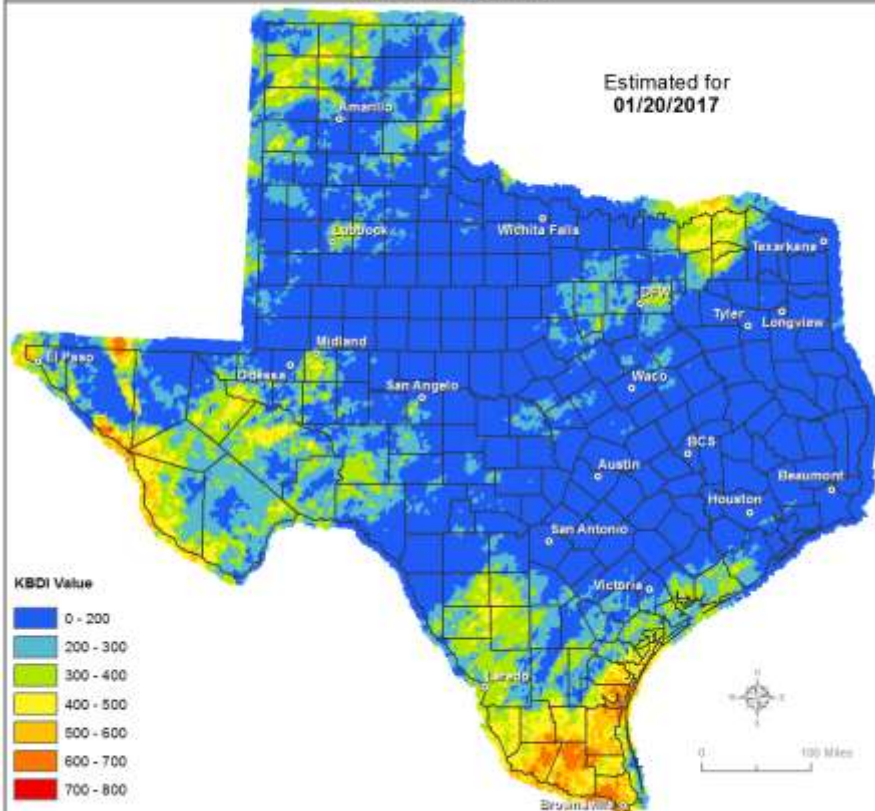
Armonzing
Baylor*
Bexar
Brewster
Castro
Cochran
Comanche
Concho
Coke
Crockett
Crosby
Culberson
Dallas
Dallam
Dewitt
Donley*
Edwards
El Paso
Frio
Garza
Glasscock
Hartley
Hutchinson
Jeff Davis
Jim Hogg
Kendall
Kinney
Kleberg
Lamb
Martin
Mason
McCulloch
Menard
Mills
Nolan
Potter
Randall
Reagan
Real
Schleicher
Star
Stephens
Sutton
Swisher
Tarrant
Terrell
Throckmorton
Upton
Val Verde
Ward

* Burn Ban is lifted during a Red Flag Warning day
* Burn Ban is lifted, check with County for updates

Keetch-Byram Drought Index

(4 km x 4 km resolution)

Estimated for
01/20/2017



KBDI Value

0 - 200
200 - 300
300 - 400
400 - 500
500 - 600
600 - 700
700 - 800

TEXAS A&M
AGRI LIFE
RESEARCH

Produced by TAMU Spatial Sciences Laboratory
in partnership with Texas A&M Forest Service

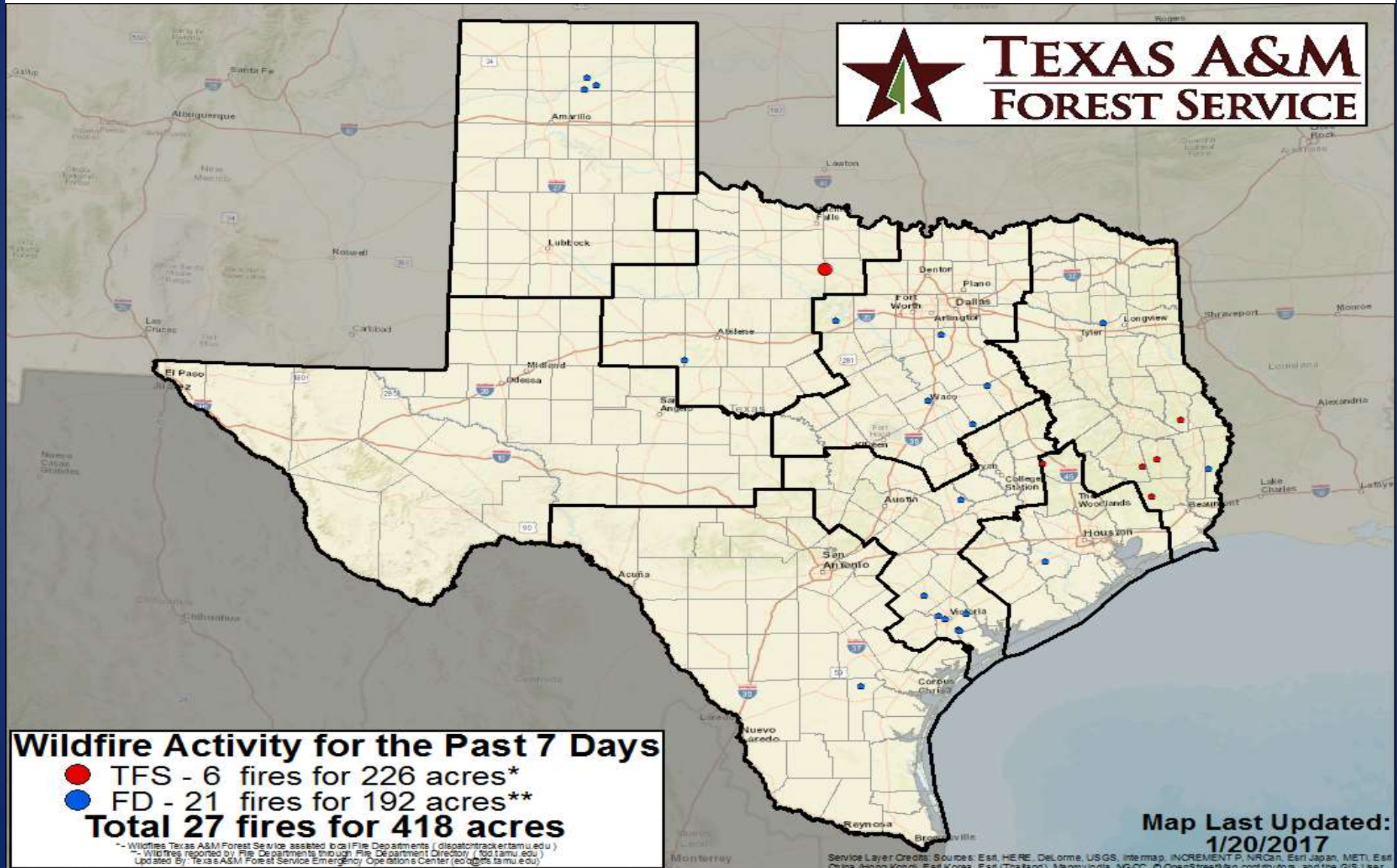
TEXAS A&M
FOREST SERVICE

Fire Weather Warnings/Watches/Statements

DATE	WARNING TYPE	LOCATION
01/21/17	Fire Danger Statement	Jim Hogg and Zapata Counties

Fire Activity (*Last 24 Hours)

Reports 40 (+1) fires and 1,579 (+200) acres destroyed this year. There are 55 (no change) counties with burn bans. The Keetch-Byram Drought Index list 11 (no change) counties with an average over 400.



Training

DATES		TITLE	COURSE	LOCATION
01/21/17	01/22/17	HazMat First Responder Awareness/ Operations	H-204	Waco
01/21/17	01/22/17	Intermediate Incident Command System for Expanding Incidents	G-300	Crystal Beach
01/21/17	01/28/17	Community Emergency Response Team (CERT) Course	G-317	Laredo
01/21/17	01/29/17	Confined Space Rescue	H-304	Coupland